



Rubber Duk's tube tires apply less than 2½ lbs. of pressure per sq. ft. of field surface area.

## No Field Too Wet For "Rubber Duk"

You won't believe your eyes when you see this 3-ton "Rubber Duk" waddling towards you through fields so wet you can hardly even walk through. Yet, at 18 mph, it barely leaves a track.

According to Hugh Rear, manufacturer of the new machine, the "Duk" lets you get chemicals on while the water is still there to soak them into the ground. Key to the Rubber Duk's success is its tires — eight smooth, specially fabricated Firestone inner tubes, in place of conventional tires.

"We built the Duk from the ground up to handle high speed spraying and spreading chores in wet field conditions, although you can mount 16.9 by 24 floatation tires on it for normal conditions," notes Rear. Most users, he says, run the machine at around 18

mph in the field. Slowest recommended speed for best use of the machine is 10 mph.

The articulated Duk, powered by a 302 Ford V-8 engine, is outfitted with full hydraulics, an air compressor, and a built-in foam marker for boom spraying. Has 4-wheel drive with 4-speed transmission.

The Rubber Duk is 19 ft. long with a 108 in. wheel base. Weighs 5,800 lbs. empty. Cost is right at \$38,000, with granular applicator. If you'd rather build your own Duk, Rear will help with tubes, wheels, hoppers, tanks and booms, as well as "how-to" tips.

For more information, contact: FARM SHOW Followup, Hugh Rear, Rear's Manufacturing, 2140 Prairie Road, Eugene, Ore. 97402 (ph 503 688-1002).

## KIT ADAPTS HEADER FROM DEERE FORAGE HARVESTER TO DEERE COMBINES

# Low-Cost "Pickup" For Deere Combines

"We can fit all Deere combines from 1973 to the new 20 series, and can custom tailor adapters for most other brands of combines," reports Harley Nuehring, Kanawha, Iowa, farmer who has invented and patented a kit that lets you attach the hay header from Deere's forage harvester directly to the combine's feeder house to pick up windrowed oats, wheat and other small grain, or alfalfa seed.

In Northern Iowa, Minnesota and similar areas, oats are usually windrowed before combining to permit earlier harvest, and to let grain as well as any weeds in the crop dry out for more efficient combining. Because oats acreage is relatively small there compared to other crops (mostly corn and soybeans), Nuehring reasoned that it would be more economical to adapt his forage harvester pick-up to his combine instead of buying a separate combine pick-up attachment. He also figured it would be easier to go that route than to remove and replace the reel and automatic header height control from the combine table when switching between soybean and oat harvests. ("It usually takes at least half a day to get the header height control readjusted if you've had it off," says Nuehring.) And, with current soybean prices, you can't afford to waste that much time, plus the beans you could lose just getting the system reset."

Nuehring says his system can also save money for soybean farmers using row crop soybean heads, and who also grow oats. He figures his adapter and drive system, with a new forage harvester pick-up, will cost about half as much as a regular com-



Nuehring's kit lets you mount Deere forage harvester pickup on combine for picking up windrowed oats or other small grains.

bine header with pick-up attachment. Nuehring uses the combine's variable speed reel drive to run the pick-up. This permits adjusting pick-up speed to match crop conditions and travel speed.

Nuehring's adapter takes into consideration the differences in dimensions and mounting angles between forage harvester and combine headers. His initial design, and the first units built, involve use of a Deere forage harvester pick-up and John Deere combines. However, other conversions can be made up on a custom-order basis, says Nuehring.

Performance of his unit, and those he has built for other farmers, has been quite satisfactory with up to 12 ft. windrows of oats, says Nuehring. He hasn't tested the unit in extremely heavy windrows.

Cost of the adapter, which Nuehring produces in his own on-farm manufacturing plant, is \$395. He notes that 2 sprockets and the roller chain which drive the head can be purchased from a Deere dealer for approximately \$50. The hydraulic motor that drives the head can be taken from the wheel drive of a conventional platform, or a new one can be purchased from a Deere dealer for approximately \$200. A new Deere 5½ ft. forage harvester hay head lists for approximately \$1,500, compared to a new Deere grain platform with belt pickup which lists at approximately \$4,200.

For more information, contact: FARM SHOW Followup, Harley Nuehring, Box 101, Route 1, Kanawha, Iowa 50447 (ph 515 587-2296).

## er Cover For Hopper Bottom Wagons

Custom built all-weather metal covers for hopper bottom wagons, introduced by 3-Way Farm Equipment, Petrolia, Ont., not only protect the load but boast load-carrying capacity of the wagon about 20%.

Made of heavy 16 ga. metal, the covers bolt in place and are designed to stay on permanently. They are 26 in. high (12 in. sides plus a 14 in. sloping top section) and weigh about 250 lbs. The two-section lid is gasketed for a rain-tight fit when closed.

If you have already have sideboard extensions, you can buy the tapered 14 in. high top section only.

The covers are available to fit 6 by 10, 7 by 10 and 8 by 12 wagons. All models have built-in crossbars which hold the sides together. An outside step-ladder is standard; inside step-ladder optional. Available in a wide variety of colors.

For more details, contact: FARM SHOW Followup, 3-Way Farm Equipment, Ltd., Route 3, Petrolia, Ont. NON 1R0 (ph 519 845-3115).



Permanent cover is 26 in. high and weighs 250 lbs. Two-section lid, shown on left, is gasketed for a rain-tight fit.